

R E S T R I C T E D

OFFICE OF CIVILIAN DEFENSE  
WASHINGTON, D. C.

CIVIL AIR PATROL

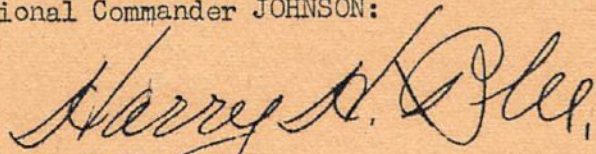
OPERATIONS MEMORANDUM)  
NO. 11)

NATIONAL HEADQUARTERS  
WASHINGTON, NOVEMBER 2, 1942

OIL LINE FAILURES

1. Oil line failures in 90 H. P. Franklin Stinson Voyagers have been reported from several Coastal Patrol Bases.
2. The vibration which usually causes these failures may be damped out by means of special clamps and supports, as set forth in Aircooled Motors Corp. Service Bulletin No. 20, dated August 20, 1942, External Oil Pipes, copy of which is attached hereto.
3. Coastal Patrol and Liaison Patrol Commanders will take immediate steps to have all Franklin Engines in service at their Bases equipped with the oil-pipe clamps and supports recommended by the manufacturer.
4. Due to shortages of basic materials, it will be necessary to supply Aircooled Motors Corporation with an A-1-A Preference Rating Certificate (Priority Certificate) covering the required parts. Request Forms are attached for this purpose. Orders for the required parts will be mailed direct to the factory and the Request Forms will be executed and mailed to this Headquarters in duplicate.
5. Attention is directed to the "Suggestion on the Lead Problem" presented in the next to the last paragraph of the attached Aircooled Motors Corp. Service Bulletin.

By direction of National Commander JOHNSON:

  
HARRY H. BLEE  
Colonel, Air Corps  
Operations Officer

Attachments - 2



HQ., CAP \_\_\_\_\_ PATROL NO. \_\_\_\_\_

\_\_\_\_\_  
(Location)

(Date) \_\_\_\_\_

Subject: Operations Memorandum No. 11 - Request for A-1-A Priority Certificate

To: Operations Officer, Natl. Hq., CAP, DuPont Circle Bldg., Washington, D. C.

1. In accordance with the provisions of Operations Memorandum No. 11, National Headquarters, November 2, 1942, Oil Line Failures, there is enclosed a list of parts, including price extensions, for special vibration clamps and supports for external oil pipes for Franklin Engines in service at this Base.

2. The parts listed are necessary for the proper maintenance of these engines.

3. It is requested that an A-1-A Preference Rating Certificate be obtained from the War Production Board covering the purchase of these materials which are being ordered by this Base from the manufacturer, - Aircooled Motors Corporation, Syracuse, New York

(Name) \_\_\_\_\_

(Rank) \_\_\_\_\_, C.A.P.  
Commanding



August 20, 1942

SERVICE BULLETIN NO. 20EXTERNAL OIL PIPES

As a precautionary measure, it is recommended that all external oil pipes be replaced with new at each top overhaul. The expense involved is very small when compared to possible engine damage, due to lack of oil resulting from oil pipe breakage.

Vibration usually causes oil pipe failure and we now have available clamps and supports, designed to minimize this vibration. These can be installed without removal of pipes, and it is recommended that the set listed below, applicable to your engine, be purchased at the first opportunity.

<u>Part No.</u>	<u>Name</u>	<u>No. Required Per Engine</u>	<u>Price Each</u>
<u>MODEL 4AC-176 ENGINES</u>			
11677	Valve Case Oil Pipe Clamp	4	\$ .29
11805	Valve Case Oil Pipe Support	2	.39
19x15	Shakeproof Lock Washer) Clamp	2	.01
12x18	Round Head Screw ) to	2	.01
3x32	Hex Nut ) Support	2	.01
11676	Valve Case Oil Pipe Sleeve (Rubber)	4	.05
<u>MODEL 4AC-199 ENGINES</u>			
11677	Valve Case Oil Pipe Clamp	4	.29
11674	Valve Case Oil Pipe Support	2	.39
19x15	Shakeproof Lock Washer) Clamp	2	.01
12x18	Round Head Screw ) to	2	.01
3x32	Hex Nut ) Support	2	.01
11676	Valve Case Oil Pipe Sleeve (Rubber)	4	.05
<u>MODEL 6AC-298 ENGINES</u>			
11677	Valve Case Oil Pipe Clamp (Double)	4	.29
11675	Valve Case Oil Pipe Clamp (Single)	2	.33
11674	Valve Case Oil Pipe Support	4	.39
19x15	Shakeproof <del>Lock</del> Washer) Clamp	4	.01
12x18	Round Head Screw ) to	4	.01
3x32	Hex Nut ) Support	4	.01
11676	Valve Case Oil Pipe Sleeve (Rubber)	6	.05